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ABOUT JIRA

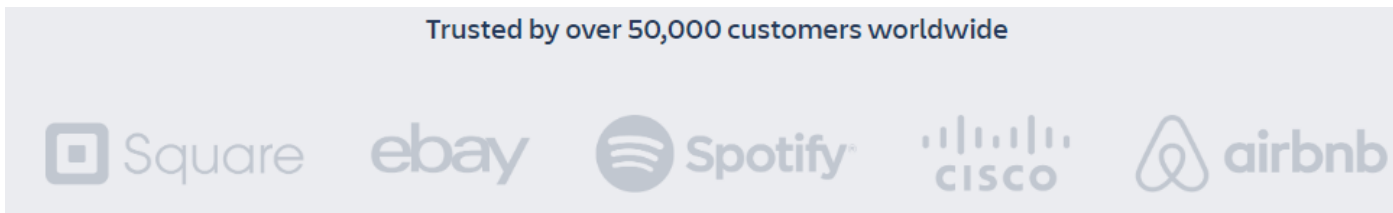
➤ Tool for managing projects

- Agile software development and monitoring
- Supports Scrum (PM method)
- No freeware, pricelist:

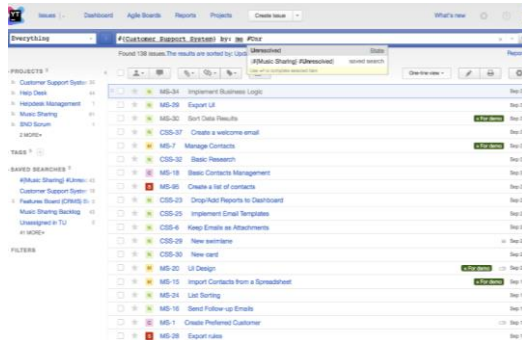
 Cloud	10 users \$10/mo	15 users \$50/mo	25 users \$100/mo	50 users \$200/mo	100 users \$300/mo	500 users \$500/mo	2,000 users \$1,000/mo
 Server							

 Cloud	10 users \$10 Starter	25 users \$1,200	50 users \$2,200	100 users \$4,000	250 users \$8,000	500 users \$12,000	2000 users \$16,000	10,000 users \$20,000	10,000+ users \$24,000
 Server									

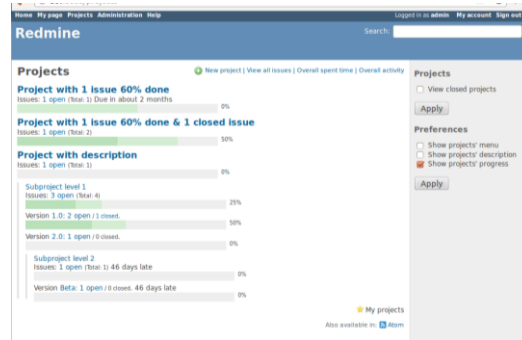
- Some clients:



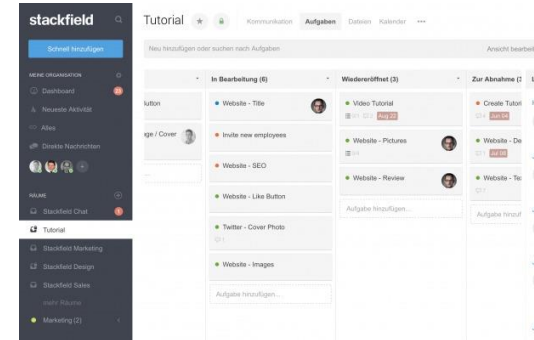
ALTERNATIVES



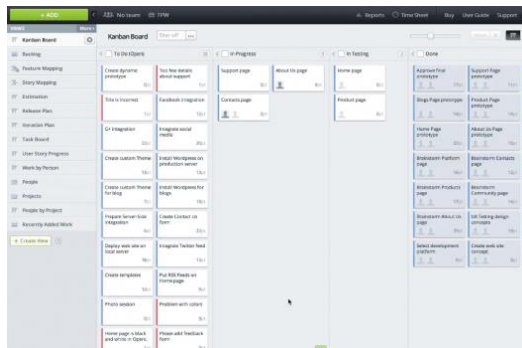
1. YouTrack



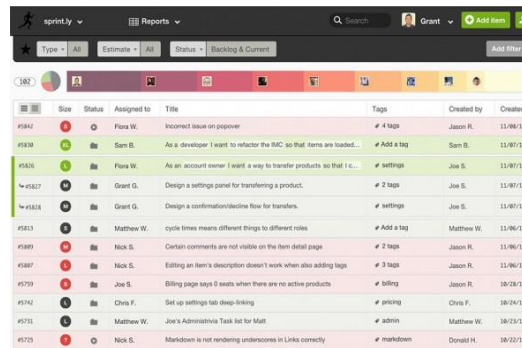
2. Redmine



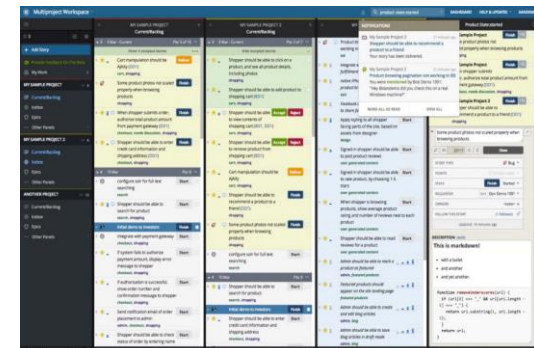
3. Stackfield



4. Target Process



5. Sprintly



6. Pivotal Tracker

ADVANTAGES

- Amount of rules reduced to a minimum
- Time required for administration reduced to a minimum
- Easy to understand
- Flexible planning
- Transparent execution
- Drag & Drop system
- Very fast adding/ editing/ tracking and deleting issues
- Lot of tutorials available
- Large and helpful documentation
- Helpful shortcuts (e.g. i → assign to me, c → create an issue)

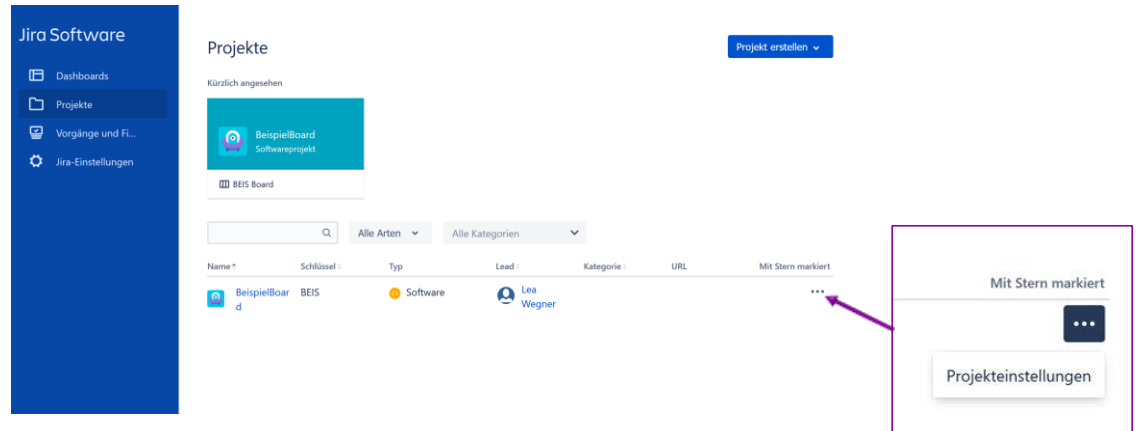
➤ Reduce time

BASICS

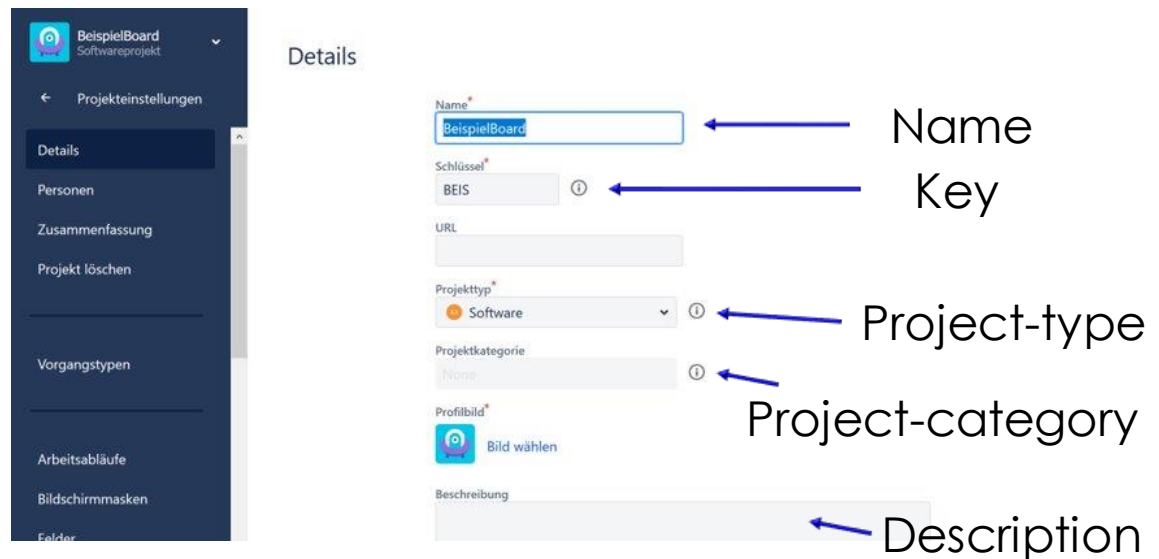
- **Project:** including boards
- **Board:** shows issues
- **Issue:** mostly a "user-story" with some subtasks
- **Epic:** a big "user-story"
- **Sprints:** period in which a milestone is getting completed
- **Workflow:** graphical representation of the process

BASIC SETTINGS

1. Open the project overview:



2. Open settings:



CREATE BOARD

The screenshot shows a sidebar menu on the left with a blue vertical bar. The menu items are:

- BeispielBoard** Softwareprojekt (with a dropdown arrow)
- BEIS Board** Board (with a dropdown arrow)
- A search bar labeled "Boards suchen ..." with a magnifying glass icon.
- A section titled "BOARDS IN BEISPIELBOARD" containing:
 - A list item with a board icon and the text "BEIS Board".
 - A link labeled "Alle Boards anzeigen".
 - A button labeled "+ Board erstellen".
- At the bottom, a partially visible item with a plus icon and the text "Element hinzufü".

Annotations with arrows point to the following elements:

- "Opend board" points to the dropdown arrow of "BeispielBoard".
- "Opend board" points to the dropdown arrow of "BEIS Board".
- "Searching boards" points to the search bar.
- "Show all existing boards" points to the "Alle Boards anzeigen" link.
- "Create a new board" points to the "+ Board erstellen" button.

CHOOSE BETWEEN „SCRUM“ AND „KANBAN“



Kanban

Arbeiten für agile Teams regelmäßig im Blick behalten. Für Teams, die Arbeitsvolumen von einem Backlog aus steuern.

Was ist hierin enthalten?

Auswählen



Scrum

Storys, Aufgaben und Workflows für ein Scrum-Team verwalten. Für Teams, die nach einem regelmäßigen Plan arbeiten.

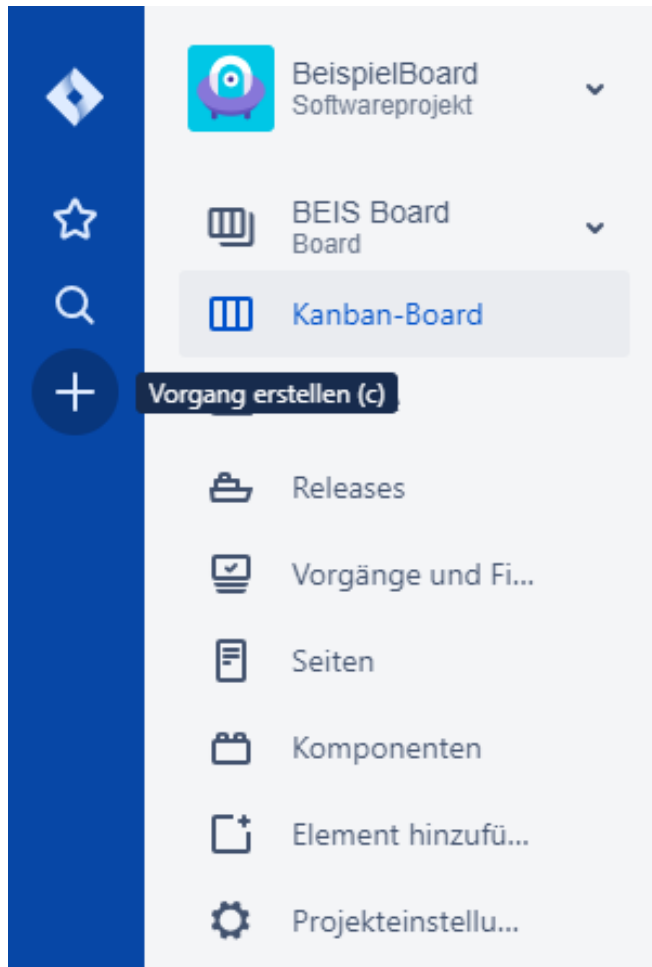
Was ist hierin enthalten?

Auswählen

Kanban: more workflow visualisation, useful when making changes to an existing project

Scrum: for software engineering with sprints

CREATE ISSUE



Choose between those process types:

- **Epic:** Task type for a large user story that needs to be split.
- **Story:** Contains a number of tasks that fit together.
- **Task:** A task that needs to be done.
- **Bug:** For solving problems.

ISSUE INFORMATION

Priorities:

- This problem will block progress.
- Serious problem that could block progress
- Has the potential to affect progress.
- Minor problem or easily worked around.
- Trivial problem with little or no impact on progress.

↑ Highest

↑ High

↑ Medium

↓ Low

↓ Lowest

Process status:

- **Building:** Source code has been committed, and JIRA is waiting for the code to be built before moving to the next status.
- **Build Broken:** The source code committed for this issue has possibly broken the build.

OFFEN

IN ARBEIT

ERNEUT GEÖFFNET

ERLEDIGT

GESCHLOSSEN

BUILDING

BUILD BROKEN

AUFGABEN

FERTIG

BACKLOG

SELECTED FOR DEVE...

CREATE EPIC

- Contains a larger amount of work
- Larger than a single use-case
- May include several use-cases / stories

The screenshot shows the 'Vorgang erstellen' (Create Task) form in the BEIS Board application. The form is titled 'Vorgang erstellen' and has two buttons at the top right: 'Vorgänge importieren' and 'Felder konfigurieren'. The form contains the following fields:

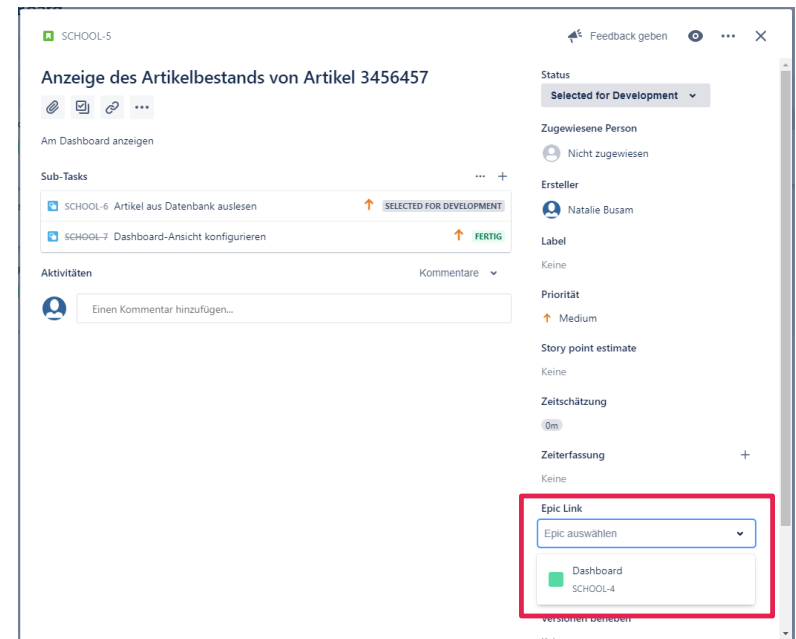
- Projekt:** A dropdown menu with 'BeispielBoard (BEIS)' selected.
- Vorgangstyp:** A dropdown menu with 'Epic' selected. A help icon (?) is next to it.
- Einige Vorgangstypen sind aufgrund inkompatibler Feldkonfigurationen und/oder Arbeitsablaufzuweisungen nicht verfügbar.** (Some task types are not available due to incompatible field configurations and/or workflow assignments.)
- Epic Name:** A text input field with a red asterisk (*) indicating it is required. Below the field is the instruction: 'Provide a short name to identify this epic.'
- Zusammenfassung:** A text input field with a red asterisk (*) indicating it is required.
- Komponente(n):** A text input field with a red asterisk (*) indicating it is required.

The form is part of a larger interface with a sidebar on the left and a right sidebar with a 'FERTIG' (Finish) button.

CREATE STORY

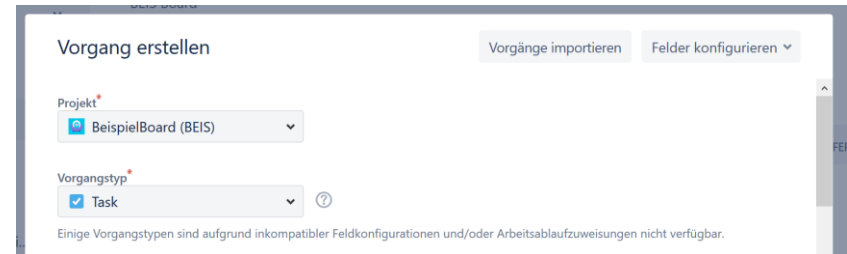
- Contains a number of tasks that fit together
- Often Use-Cases as Stories

→ Within a created Story, you could define an Epic



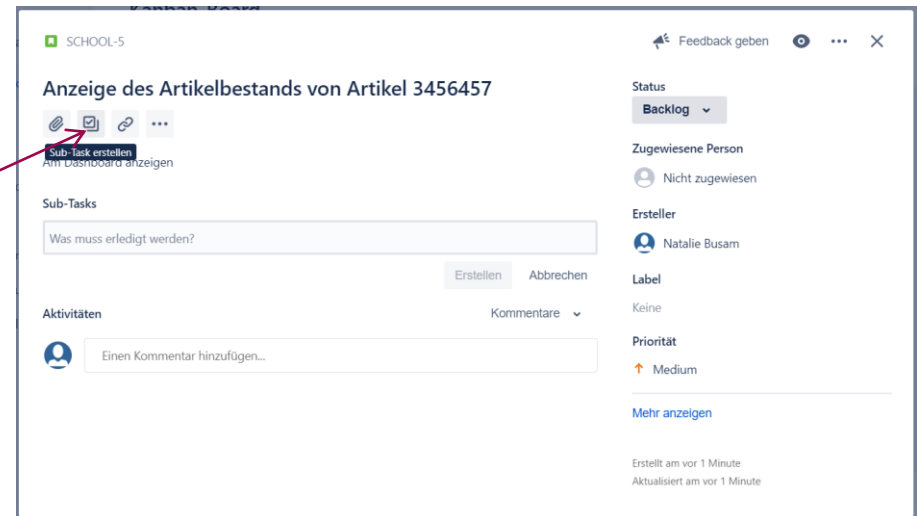
CREATE TASKS AND SUBTASKS

Task: A task that needs to be done.



The screenshot shows a form titled 'Vorgang erstellen'. At the top right are buttons for 'Vorgänge importieren' and 'Felder konfigurieren'. The 'Projekt' field is set to 'BeispielBoard (BEIS)'. The 'Vorgangstyp' field is set to 'Task'. A note at the bottom states: 'Einige Vorgangstypen sind aufgrund inkompatibler Feldkonfigurationen und/oder Arbeitsablaufzuweisungen nicht verfügbar.'

Subtask: An act that must be completed as an element of a larger/ more complex task.



The screenshot shows a page titled 'Anzeige des Artikelbestands von Artikel 3456457'. A red arrow points to a 'Sub-Task erstellen' button. Below this is a 'Sub-Tasks' section with a text input field 'Was muss erledigt werden?' and buttons 'Erstellen' and 'Abbrechen'. There is also an 'Aktivitäten' section with a comment input field. On the right, a sidebar shows 'Status' (Backlog), 'Zugewiesene Person' (Nicht zugewiesen), 'Ersteller' (Natalie Busam), 'Label' (Keine), 'Priorität' (Medium), and a 'Mehr anzeigen' link. At the bottom right, it says 'Erstellt am vor 1 Minute' and 'Aktualisiert am vor 1 Minute'.

➤ Possible for all process-types

CREATE BUG

→ Bug-fixing

Vorgang erstellen

Vorgänge importieren

Felder konfigurieren

Projekt*
BeispielBoard (BEIS)

Vorgangstyp*
Bug

Einige Vorgangstypen sind aufgrund inkompatibler Feldkonfigurationen und/oder Arbeitsablaufzuweisungen nicht verfügbar.

Zusammenfassung*

Komponente(n)
Keine

Beschreibung

Formatvorlage B I U A A Link List Image +

Weiteren erstellen

Erstellen

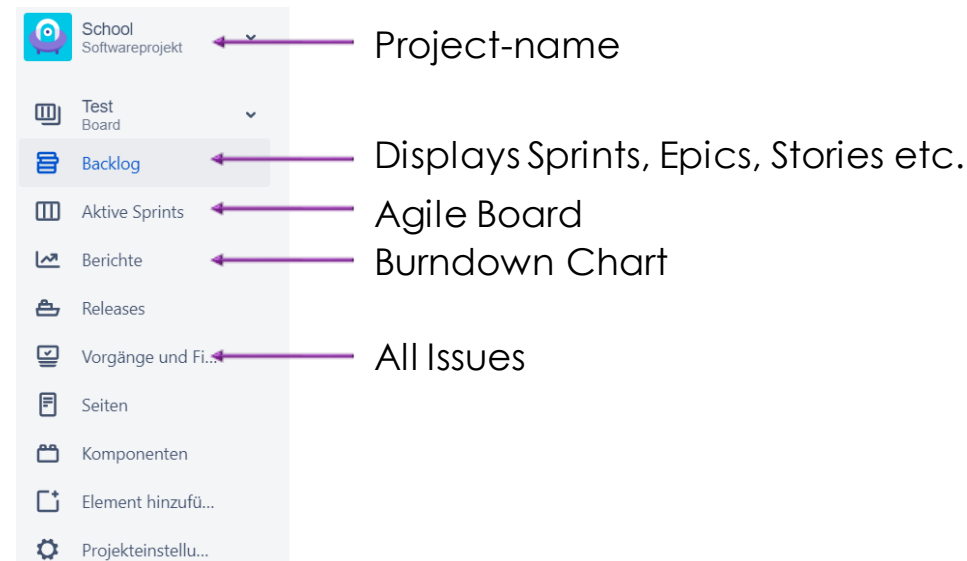
Abbrechen

SPRINT

- Short period of time, ideally 2-4 weeks
- Contains an amount of tasks that are meant to be completed until the Sprint's deadline
- Easy coordination of the team
- The project's progress can easily be supervised

How to create it

1. Create a new board
2. Choose scrum
3. Open Backlog



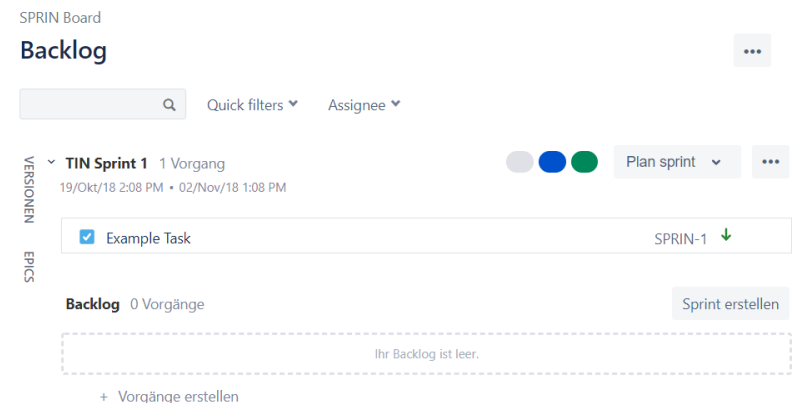
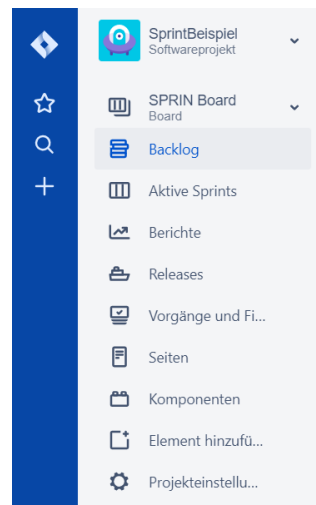
WORK WITH A SPRINT

Backlog

- Overview of “Features”
- Contains: User Stories and Epics (also contains Stories)
- Sprint management

Create an Issue

- Summary
- Description
- Reporter
- Tags
- Estimation



Some Fields might be hidden → click on **Configure Fields**

SPRINT SETTINGS

1. Start a Sprint
2. Set the time

→ Automatically calculated workdays are shown

Active Sprints:

Sprint starten

angeordnet.

1 Vorgang werden in diesem Sprint aufgeführt.

Sprintname: TIN Sprint 3

Dauer: Vordefiniert

Startdatum: 23/Okt/18 2:00 PM

Enddatum: 20/Nov/18 02:00 PM

Sprint-Ziel:

Dieser Sprint enthält 20 Arbeitstage [Weitere Infos zu Arbeitstagen](#)

SPRIN Board

TIN Sprint 3

☆ ⌚ 19 Tage übrig Sprint abschließen ...

Quick filters Assignee

AUFGABEN

new

SPRIN-3

LAUFEND

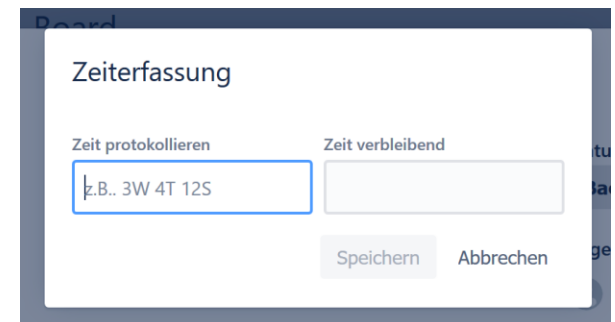
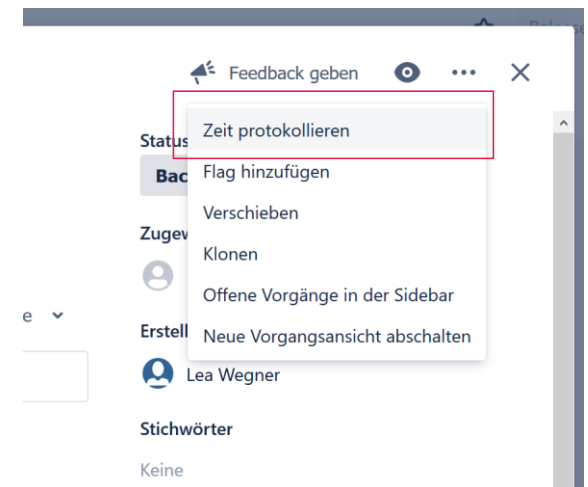
FERTIG

LOG WORK

- “Remaining” shows the remaining time for this issue, not lower than 0h
- (Estimated time – Logged time = Remaining time)

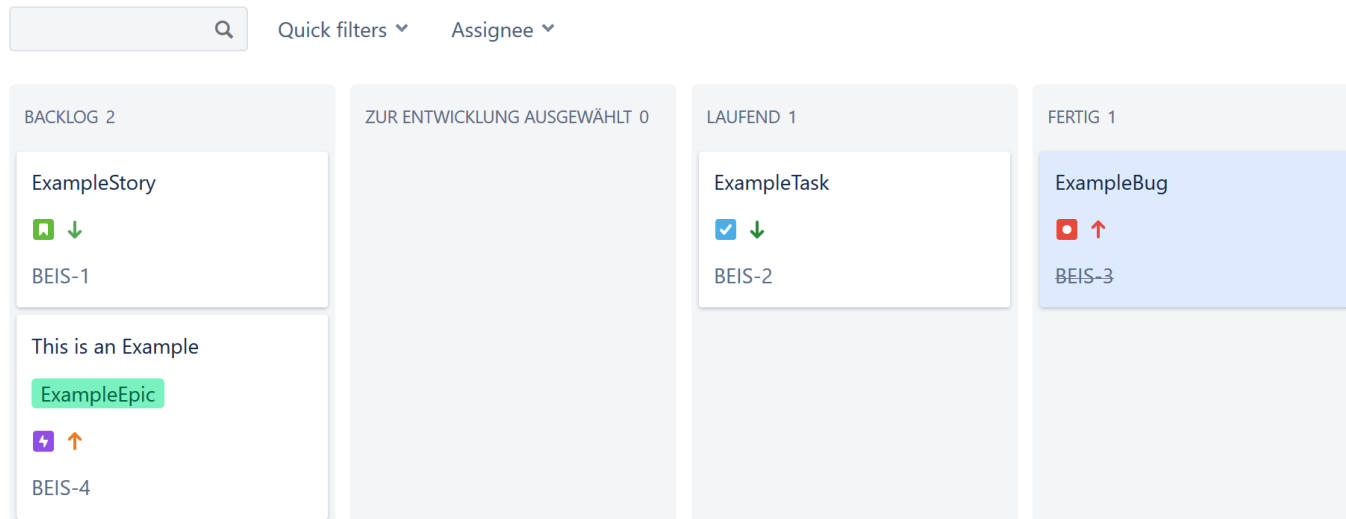
How?

- You can either log work at the 3 dots → log work
- Or change estimation in the board configuration



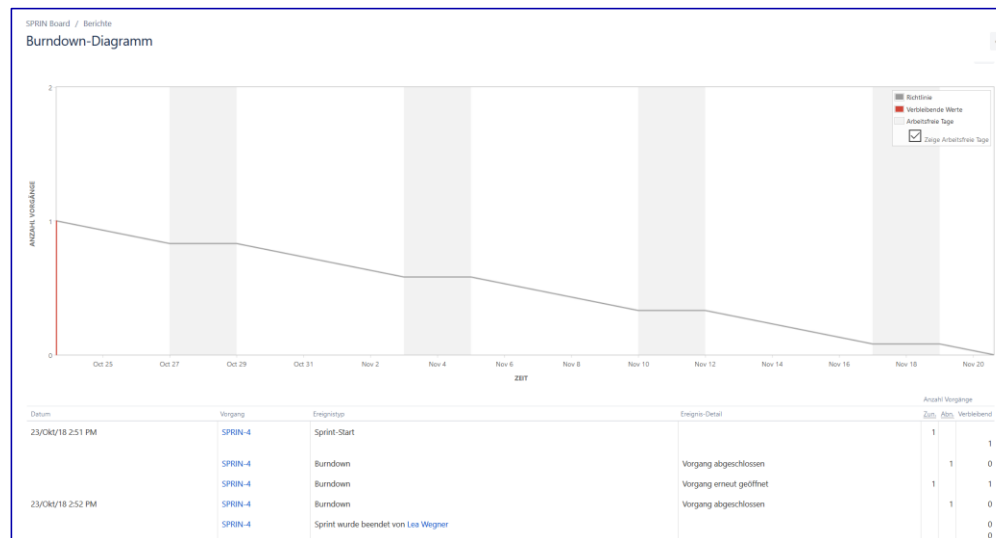
COMPLETE A ISSUE

- Complete a task by dragging and dropping it into “Done” section
- If all tasks of a Story are being completed, JIRA will ask you automatically to resolve the parent issue as well



SCRUM TOOLS: BURNDOWN CHART

- Click on Reports
- This Page displays the Burndown Chart for the current Sprint
- Requires: **Story Estimation** and the **Original Time Estimation**





USERS

- Overview of users for this project

Personen

Personen hinzufügen

Name ↕	E-Mail ↕	Rolle
 Lea Wegner	wegner.lea@student.dhbw-karlsruhe.de	Administrators ▼ Entfer...
 Natalie Busam	busam.natalie@student.dhbw-karlsruhe.de	Administrators ▼ Entfer...

- Add new user

Personen hinzufügen

Geben Sie einen Namen, eine Gruppe oder eine E-Mail-Adresse ein. 🔍

Rolle

Rolle wählen ▼

Hinzufügen Abbrechen

PROJECT LEADER

- Choose the project leader
- Choose if he should be assigned automatically when creating issues (as default)

Projektleiter*



Lea Wegner

Standardmäßig zugewiesene Person

Projektleiter



Projektleiter

Nicht zugewiesen



OTHER FEATURES

- Connect with GitHub
- Connect with Android Studio



CONNECT WITH GITHUB

The image shows two screenshots of the GitHub web interface. The top-left screenshot displays the 'Developer settings' page, with a red box highlighting the 'Developer settings' link in the left sidebar. The top-right screenshot shows the 'OAuth Apps' section, with a red box highlighting the 'GitHub Apps' link. A blue arrow points from the 'GitHub Apps' link to the Jira application configuration section in the bottom-left screenshot. The bottom-left screenshot shows the Jira application configuration page, which includes fields for 'Client ID', 'Client Secret', and 'Application logo'. The 'Client ID' is 0db8b61e8d5c7007dac5 and the 'Client Secret' is 03eac68c557b58ee82e9e9f77e381c97a1fc09d3. There are buttons for 'Revoke all user tokens' and 'Reset client secret'. The 'Application logo' section has an 'Upload new logo' button and a 'Drag & drop' area.

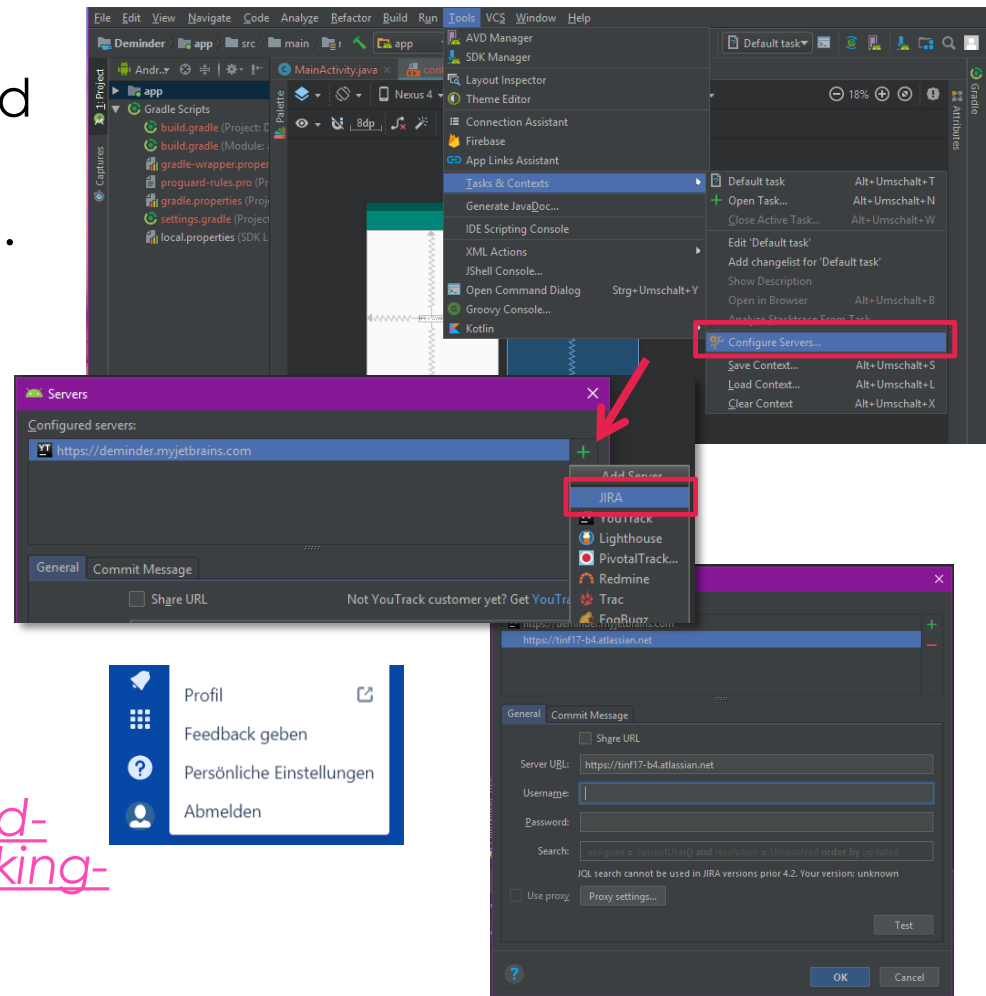
More informations:
<https://confluence.atlassian.com/adminjiracloud/connect-jira-cloud-to-github-814188429.html>

CONNECT WITH ANDROID STUDIO

1. Open a project in Android Studio
2. Go to Configure Servers... (Tools → Tools & Context)
3. Add a new server connection, choose Jira
4. Fill in your server URL, username and password
5. Test the connection

→ More Information:

<https://josiassena.com/android-studio-jira-and-other-bug-tracking-tools/>



OUR CONCLUSION

Disadvantage

- JIRA has less functionalities than some alternatives
- Requires license

Advantage

- it is user-friendly, less time is needed
- changes are possible, for example if a user logged his time wrong
- Shortcuts
- Modern design



THANK YOU FOR YOUR
ATTENTION!